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FORM PTO-1449

## THIRD SUPPL. INFORMATION DISCLOSURE STATEMENT

ATTY. DOCKET NO.  
2057.0080000/JAG/BJDAPPLICATION NO.  
09/501,730APPLICANTS  
SHERMAN et al.FILING DATE  
February 10, 2000GROUP  
1652

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
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	AL						Yes No
	AM						Yes No
	AN						Yes No
	AO						Yes No
	AP						Yes No

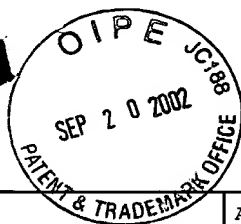
## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR	<u>10</u>	
	AS	<u>10</u>	
48	AT	<u>10</u>	Colloc'h, N., et al., "Crystal Structure of the protein drug urate oxidase-inhibitor complex at 2.05Å resolution," <i>Nature Struct. Biol.</i> 4:947-952 (1997).

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

ym	AR	11	Conley, T.G., and Priest, D.G., "Thermodynamics and Stoichiometry of the Binding of Substrate Analogues to Uricase," <i>Biochem. J.</i> 187:727-732 (1980).
ym	AS	11	Mahler, H.R., et al., "Studies on uricase. 1. Preparation, purification, and properties of a cuproprotein," <i>J. Biol. Chem.</i> 216:625-641 (1955).
	AT		

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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
	AA						
	AB						
yp	AC1	3,616,231	10/26/1971	Bergmeyer et al.			11/14/1968
	AD1	4,460,683	07/17/1984	Gloger et al.			07/02/1982
	AE1	4,766,106	08/23/1988	Katre et al.			01/25/1988
	AF1	4,847,325	07/11/1989	Shadle et al.			01/20/1988
	AG1	4,917,888	04/17/1990	Katre et al.			12/11/1987
	AH1	5,382,518	01/17/1995	Caput et al.			04/25/1991
	AI1	5,428,128	06/27/1995	Mensi-Fattohi et al.			09/27/1994
	AJ1	5,541,098	07/30/1996	Caput et al.			09/28/1994
	AK1	5,612,460	03/18/1997	Zalipsky, S.			02/17/1994

FOREIGN PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUB- CLASS	TRANSLATION
yp	AL						Yes No
G.B.03.yp	AM1	DD 279 486 A1	06/06/1990	East Germany			Yes No x
yp	AN1	WO 94/19007	09/01/1994	WIPO			Yes No
G.P. 03.yp	AO1	JP 09154581	06/17/1997	Japan			Yes No x
yp	AP1	WO 00/08196	02/17/2000	WIPO			Yes No

## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

	AR		
	AS		
yp	AT	11	Abuchowski, A., et al., "Effect of Covalent Attachment of Polyethylene Glycol on Immunogenicity and Circulating Life of Bovine Liver Catalase," J. Biol. Chem. 252:3582-3586, American Society for Biochemistry and Molecular Biology (1977).

EXAMINER  yp	DATE CONSIDERED 11.27.02
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EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS	FILING DATE
yp	AA2	5,653,974	08/05/1997	Hung et al.			11/30/1994
ym	AB2	5,880,255	03/09/1999	Delgado et al.			04/14/1995
ym	AC2	5,919,455	07/06/1999	Greenwald et al.			03/20/1997
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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

yp	AR	12	Davis, F.F., et al., "Enzyme-Polyethylene Glycol Adducts: Modified Enzymes with Unique Properties," in <i>Enzyme Engineering</i> , Vol. 4, Braun, G.B., et al., eds., Plenum Press, New York, pp. 169-173 (1978).
ym	AS	12	Fam, A.G., "Strategies and Controversies in the Treatment of Gout and Hyperuricaemia," <i>Ballière's Clinical Rheumatology</i> 4:177-192, Ballière Tindall (1990).
yp	AT	12	Fuertges, F., and Abuchowski, A., "The Clinical Efficacy of Poly(Ethylene Glycol)-Modified Proteins," <i>J. Control. Release</i> 11:139-148, Elsevier Science (1990).

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## OTHER (Including Author, Title, Date, Pertinent Pages, etc.)

gn	AR	13	Hedlund, L.W., et al., "Magnetic Resonance Microscopy of Toxic Renal Injury Induced by Bromoethylamine in Rats," <i>Fundam. Appl. Toxicol.</i> 16:787-797, Academic Press (1991).
gn	AS	13	Hershfield, M.S., et al., "Use of Site-Directed Mutagenesis to Enhance the Epitope-shielding Effect of Covalent Modification of Proteins with Polyethylene Glycol," <i>Proc. Natl. Acad. Sci. USA</i> 88:7185-7189, National Academy of Sciences (1991).
gn	AT	13	Ito, M., et al., "Identification of an Amino Acid Residue Involved in the Substrate-binding Site of Rat Liver Uricase by Site-directed Mutagenesis," <i>Biochem. Biophys. Res. Commun.</i> 187:101-107, Academic Press (1992).

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Ym	AR	14	Kahn, K., and Tipton, P.A., "Kinetic Mechanism and Cofactor Content of Soybean Root Nodule Urate Oxidase," <i>Biochemistry</i> 36:4731-4738, American Chemical Society (1997).
Ym	AS	14	Kelly, S.J., et al., "Diabetes Insipidus in Uricase-Deficient Mice: A Model for Evaluating Therapy with Poly(Ethylene Glycol)-Modified Uricase," <i>J. Am. Soc. Nephrol.</i> 12:1001-1009, Lippincott Williams & Wilkins (2001).
Ym	AT	14	Leach, M., et al., "Efficacy of Urate Oxidase (Uricozyme) in Tumour Lysis Induced Urate Nephropathy," <i>Clin. Lab. Haematol.</i> 20:169-172, Blackwell Scientific Publications (1998).

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Go	AR	15	Legoux, R., et al., "Cloning and Expression in <i>Escherichia coli</i> of the Gene Encoding <i>Aspergillus flavus</i> Urate Oxidase," <i>J. Biol. Chem.</i> 267:8565-8570, American Society for Biochemistry and Molecular Biology (1992).
Go	AS	15	Mahmoud, H.H., et al., "Advances in the Management of Malignancy-Associated Hyperuricaemia," <i>Br. J. Cancer</i> 77 (Supplement 4):18-20, Churchill Livingstone (1998).
Go	AT	15	Miura, S., et al., "Urate Oxidase is Imported into Peroxisomes Recognizing the C-terminal SKL Motif of Proteins," <i>Eur. J. Biochem.</i> 223:141-146, Blackwell Science Ltd. (1994).

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yo	AR	16	Nishimura, H., et al., "Improved Modification of Yeast Uricase with Polyethylene Glycol, Accompanied with Nonimmunoreactivity Towards Anti-Uricase Serum and High Enzymic Activity," <i>Enzyme</i> 26:49-53, Karger (1981).
yo	AS	16	Nucci, M.L., et al., "The Therapeutic Value of Poly(Ethylene Glycol)-Modified Proteins," <i>Adv. Drug Deliv. Rev.</i> 6:133-151, Elsevier Science Publishers (1991).
yo	AT	16	Saifer, M., et al., "Plasma Clearance and Immunologic Properties of Long-Acting Superoxide Dismutase Prepared Using 35,000 to 120,000 Dalton Poly-Ethylene Glycol," in <i>Free Radicals in Diagnostic Medicine</i> , Armstrong, D., ed., Plenum Press, New York, pp. 377-387 (1994).

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gd	AR	17	Sartore, L., et al., "Enzyme Modification by MPEG with an Amino Acid or Peptide as Spacer Arms," <i>Appl. Biochem. Biotechnol.</i> 27:45-54, Humana Press (1991).
gd	AS	17	Veronese, F.M., et al., "New Synthetic Polymers for Enzyme and Liposome Modification," in <i>Poly(Ethylene Glycol) Chemistry and Biological Applications</i> , ACS Symposium Series 680, Harris, J.M., and Zalipsky, S., eds., American Chemical Society, Washington, D.C., pp. 182-192 (1997).
gd	AT	17	Yeldandi, A.V., et al., "Human Urate Oxidase Gene: Cloning and Partial Sequence Analysis Reveal a Stop Codon within the Fifth Exon," <i>Biochem. Biophys. Res. Commun.</i> 171:641-646, Academic Press (1990).

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yo	AR	18	Dialog File 351, Accession No. 8448552, Derwent WPI English language abstract for DD 279 486 A1 (Document AM1).
yo	AS	18	Dialog File 351, Accession No. 11389154, Derwent WPI English language abstract for JP 09154581 (Document AO1).
yo	AT	18	Shearwater Polymers Inc., "Functionalized Biocompatible Polymers for Research and Pharmaceuticals," in <i>Shearwater Polymers, Inc., Catalog</i> , pp 27, 47, and 48. (1997-1998).

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